

## IN THE SPECIFICATION

At page 3 after line 25 please insert the following new paragraph:

-- In the present invention the following features are also disclosed. The detection channel may be switched off or its amplification changed, or feedback to the light source is carried out, to change the illumination parameters or the signals of the detection channel which are not taken into consideration in further processing. A pointwise illumination and detection may be carried out. Parallel illumination and detection may be carried out. A microtiter plate may be illuminated and detected. A spectral splitting of the light emitted by the specimen may be carried out wherein a dispersive element is provided followed by a multichannel detector for spectral splitting.--